

Internate application No.
PC1/JP03/00414

				
	SIFICATION OF SUBJECT MATTER C1 ⁷ F16C33/12, F16C17/02, F16	C11/04		
According	to International Patent Classification (IPC) or to both r	national classification and IPC		
	S SEARCHED			
	ocumentation searched (classification system followed C1 ⁷ F16C33/00-33/28, F16C17/0			
Jits Koka	tion searched other than minimum documentation to the uyo Shinan Koho 1922—1996 i Jitsuyo Shinan Koho 1971—2003	Jitsuyo Shinan Toroku Koh Toroku Jitsuyo Shinan Koh	io 1996–2003 io 1994–2003	
	lata base consulted during the international search (nar	ne of data base and, where practicable, sea	rch terms used)	
	MENTS CONSIDERED TO BE RELEVANT		T	
Category*	Citation of document, with indication, where a	•	Relevant to claim No.	
Y У	LTD.), 31 May, 1995 (31.05.95), Claims & EP 926367 A & US & CN 1106900 A & CN	o 26 95/25904 A	1-4	
X Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 07 April, 2003 (07.04.03) Name and mailing address of the ISA/ Name and mailing address of cited documents: "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot considered novel or cannot be considered to involve an inventive step when the document is to document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of mailing of the international search report 22 April, 2003 (22.04.03)		ne application but cited to erlying the invention claimed invention cannot be red to involve an inventive claimed invention cannot be when the document is documents, such skilled in the art family		
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Y	EP 709587 A1 (TAIHO KOGYO CO., LTD.), 01 May, 1996 (01.05.96), Claims; column 2, lines 7 to 9 & US 5700547 A & WO 95/25906 A & JP 7-259860 A Claims; page 2, left column, lines 42 to 44	
Y	JP 10-246230 A (Hitachi Powdered Metals Co., Ltd.), 14 September, 1998 (14.09.98), Claims (Family: none)	2.
A	JP 1-219108 A (Mitsubishi Metal Corp.), 01 September, 1989 (01.09.89), (Family: none)	1-4
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